



MCCC NEWS

Mid-Cities Commodore Club, Inc.

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University of California
Berkeley, Wellness Letter

Technostress

Computer screens, also known as video display terminals or VDTs, are almost as common as telephones these days. According to research done by the FDA and previously reported in the Wellness Newsletter (November 1984), VDTs do not endanger the health of their users. Yet people still worry about some aspects of VDT use.

One question not yet wholly laid to rest is whether long hours at a VDT may cause miscarriages or birth defects. A study of over 4,000 pregnant women recently conducted at the University of Michigan showed that those who work on VDTs less than 20 hours per week do not increase their risk of miscarriage. Among full-time VDT workers however, there was a very slight, but not significant, increase in the number of miscarriages.

The researchers emphasized that their findings "should relieve the concern for many women who currently use VDTs at their jobs." The study's results pertaining to birth defects are still in preparation. (To rule out VDTs conclusively as the cause of the slight increase in miscarriages will require a larger study, and further research is underway.)

Before the Michigan study was made public, the World Health Organization had asked a group of Canadian experts to review the accumulated scientific evidence on the effects of VDTs on health. In an article published last September in The Journal of Occupational Medicine, these experts concluded that VDTs are safe. At the same time the report made the following useful points: Radiation. VDTs emit the same kind of low-level as soil, rocks, fluorescent lights, or electrical appliances in the home. These emissions are not believed to harm humans in any way.

Visual fatigue. VDTs do cause eyestrain, but not cataracts or other permanent disorders of the eye. For comfort as well as efficiency, it is important to have a screen with a high quality image—one that does not "jitter" or "swim". Color of the image is apparently not a factor in eye fatigue. The most common cause of eyestrain is from outside reflections—bright sunlight, a badly shielded light bulb, or even a shiny keyboard surface. To eliminate glare, position the screen perpendicular to the light source. General room lighting should be softer than for such tasks as typing, and source materials should be lit by separate small lamp. Nearby windows should have adjustable blinds. Finally, have your eyes checked to see if you need glasses or an updated prescription, especially if you use a terminal frequently.

Chairs. A stable chair, preferably with a five star base, good back support, foot rest, and adjustable height, is a necessity. A seat that curves downward at the front edge will help relieve pressure on the sitters legs. A lumbar cushion may also be worthwhile.

Stress. Although the authors of the review were concerned chiefly with the physical aspects of the VDTs, they emphasized that psychological welfare is important, too. People who are satisfied with their jobs are less likely to suffer from VDT-related symptoms. As all heavy VDT users know, there is such a thing as "technostress." You should take breaks every 40 minutes or so: get up, stretch, walk around, or do simple relaxation exercises. And as many office managers have learned, VDT operators do better if they have some control over their workload and pace.



Spring Class Offered

Thanks to the efforts of Mary Louise Hagemeyer, there seems to be sufficient interest to offer an introductory-level class in assembly language this Spring. Please call the Hagemeyers at 732-0982 if you are interested in this or some other class.

Super Kit 2.0

Greg Simpson, SPUG Gazette

Super Kit has received nothing but rave reviews since its introduction. I just received version 2.0 from Prism Software and I cannot say enough about the features of this product. Super Kit is a copy program of incredible speed, it is simple to use and it has enough types of copy programs on the disk to satisfy almost any copying need.

Super Kit has normal copiers for non-protected disks, nibblers for the medium-protected programs and a Super Nibbler for the most difficult programs to back-up. The Disk Surgeon, also on this disk, handles copying through the use of parameters or individual treatment of specific programs. The parameter copier will, in effect, remove the protection from the disk and then the tale-tale head knock will be gone, as will any other protection related problems. Parameters for over 400 commercial programs are included to make the use of these programs easier and more pleasant. The irritations of protection are removed and you gain the ability to make back-ups.

Many people use file copiers while working with their personal disk library. Prism Software gives you the ultimate file copier and it is worth the price of the disk alone. In the 'File Copy' menu, choices abound but the most important are 'View a Directory', 'Format' (single-sided disk format in 12 seconds), 'Scratch' and 'Copy'. Selection of 'Copy' or 'Scratch' will allow you to choose any number of files on the source disk (the one you want to copy or scratch from) to be acted on. When for example, you select five files to be copied, you will be told when to insert source or destination and you will see on-screen the names of the files being copied, their length and location, and, you will probably be amazed - truly amazed - because the files will be duplicated at a speed not often seen on Commodore computers, quantum leap fast! I can't wait to start moving my files around; it's so fast and it's fun to watch the names fly by.

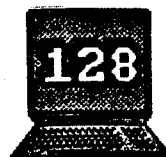
No, that's not all the disk has to offer. There's a GCR editor, a track and sector editor, the ability to check for errors and density abnormalities on the disks and all kinds of good stuff for the technically inclined. Super Kit is the only copy program I have found that will allow the use of 1541 and 1571 disk drives in tandem with no difficulties. With the two drives in the 1541 mode, it will make a complete disk copy in 30 seconds. Club librarians will love both the speed of copying and the ability to mix 1541 and 1571 drives.

Each of the various copy programs permits one or two drives and will make software device number changes. Each will accept hardware numbers of eight and nine

and will also make directories available before copying.

I have used several copy programs for my personal library but none of the others have the features, the simplicity, the music and graphics (yes, there is music to copy by and graphics extraordinaire) and the reasonable price of \$29.95. Super Kit 2.0 is an excellent value.

C128 TIPS



C-128 TIP
by David Briggs, CCCC, Inc.

Reference the C-128 owners manual and the instructions on the "HEADER" command. The page reference is in the 260's and may vary dependent upon which manual version you have.

In the explanation of the syntax for this command, especially for those of you that are former C64 users, the letter, repeat LETTER, 'I' is necessary for the command to function properly. Do not confuse the type font used to mean a numeral one, "1".

C-128 TIP
by Ed Stratton
Albany Corvallis CUG

If you use the keyboard buffer in any of your 64 programs to give operational commands such as "RUN" and "RETURN" and would like to convert that portion to fit your C128, then substitute the following POKE statements:

POKE 631,82	POKE 844,78
POKE 842,82	POKE 634,13
POKE 632,85	POKE 845,13
POKE 843,85	POKE 198,4
POKE 633,78	POKE 208,4

Two One Liners



CCCC, Tucson, AZ

1 REM DIGITAL NEWS, 1710 SW 83RD COURT,
MIAMI, FL 33155. APR. 86, VOL 2:8

```
2
COLOR0,1:COLOR4,1:COLOR3,RND(0)*14+2:GRAP
HIC3,1:J=RND(0)*5+1:N=RND(0)*7:DRAW3,N*45
.7,J*33TOJ*N*7,N*28.5:P$="O"+CHR$(65+N):P
LAYP$:GOTO1
```

5 REM INSIDE TRACK, BOX M, MENDOTA, MN
55150. JAN. 86, PAGE 3

```
10
COLOR0,1:CX=160:CY=100:SCALE1,320,280:DO:
A=RND(1)*4+1:S=RND(1)*5+1:GRAPHIC1,1:COLO
R1,S+1:FORI=1TO99STEP5:BOX1,CX-I,CY-I,CX+
I,CY+I,I*A:NEXT:SLEEP3:LOOP
```

The PCs Are Coming!

Gene Hollingsworth
Sacramento C.C.C., CA

"Flexible, affordable and IBM compatible. The Commodore PC10." Thus reads the cover of a recent Commodore brochure. What is it? Well, it's Commodore's little known entry into the PC/MSDOS world. It is IBM PC compatible and has been marketed by Commodore in Europe and Canada for some time.

Almost a year ago, the Commodore PC was fleetingly glimpsed at the Commodore Show in San Francisco. It was hidden away at a small booth not up front at the Commodore booth where one would actually expect to find it. After all, if Commodore had shown one in their own exhibit, they could not have said, "What PC?" when they were pressed to acknowledge that it existed.

The PC10 that I saw in San Francisco was made in West Germany, and, as I recall was quite well made and impressive in its operation.

A lot of us were very anxious to see Commodore bring its PC compatible to market in the US, but, alas, that did come about right away. In the meantime, the generic IBM clone has done quite well, bringing IBM capability and software to the home market at an affordable price. At long last the Commodore PC10 is reported to be on its way.

Actually, there are two models of the PC10 - the PC10-1 and the PC10-2. The big difference is that the PC10-1 comes with one disk drive and 512K of RAM memory while the PC10-2 has two disk drives and 640K of RAM. These disk drives are double sided units that each hold 360K of storage. By comparison, a 1541 holds about 170K and a 1571, about 340K.

From the user's point of view, the main difference between the PCs and the 64/128 is a different CPU or microcomputer chip, which is an 8088, and, a different operating system, commonly known as PC/MSDOS. It's called PCDOS when running on a real IBM and MSDOS when it has been licensed by MicroSoft to run on a compatible such as the Commodore PC10. PCDOS/MSDOS means that we are going to have to learn a whole new set of commands. In doing so we will find that the Commodore 64/128 screen editor is superior in most respects to the PC. However, PC/MSDOS commands are much easier to use and much more flexible. One spinoff of PC/MSDOS is that a two drive system is really a necessity as opposed to the 64/128 where your second drive is only more convenient for certain operations. If you are thinking about a PC, then think two drives.

The rest of the PC10 specifications include:

- * Five expansion slots (one occupied by the video board)
- * Built in serial (RS232) and parallel (Centronics) ports
- * Video controller compatible with RGB, TTL monochrome and composite color and monochrome monitors
- * MSDOS 3.2 Disk Operating System (the latest version from MicroSoft)
- * Phoenix ROM Basic Input-Output System (one of the most IBM compatible)
- * One year warranty

By the time you read this, there may be some PCs in town. Keep your eyes open and stay tuned.

The Hacker's Column

Robert Madson, Kankakee Hacker's CUG, IL

As I write this, NBC is showing a remake of the movie "Babes in Toyland." Earlier this week, another channel showed the original version. The original version starred Annette Funicello. The new version stars Drew Barrymore of "E.T." and "Firestarter" fame. I found it intriguing that the new version takes three hours to tell the same story originally told in two. This 'bloating' of the story reminded me of something I read.

A recent article in COMPUTE'S GAZETTE magazine uses the term 'bloat factor' in connection with the enormous size of software written for the Amiga and other 68000-based computers. In the article "Telecomputing Today", Arlan Levitan mentions some people's predictions that the next generation of 'serious software' may require over a megabyte of memory. As an example, he cites the latest version of the Macintosh Finder, the Mac's operating system. It weighs in at 978K - nearly a megabyte - and would take three and a half hours to download at 1200 baud.

The Commodore 64 and 128 aren't immune to the bloat factor. The 6502 processor is a very memory-efficient processor. It's possible to write a screen dump routine in about 200 bytes, and most other code is similarly compact. The GEOS operating system, however, fills a 160K like Speedscript, which allows documents over 40K long to be created on a 64K computer. It's unfortunate, though, that GEOS doesn't support the double-sided 1571 drive, which would allow you to have the entire system available and still have room for your work.

Then again, when I compare BASIC 2.0 (8K) to BASIC 7.0 (16K), I realize that larger software has its advantages.

Chosing the Right Printer Driver

Courtesy of Scott Lamb



PRINTER CAPABILITY LISTING

Color Printers

<u>Printer</u>	<u>Driver</u>	<u>Comments</u>
Canon PJ1080A	Canon PJ1080A	Requires Custom Driver 3
Diablo C150	Diablo_C150	
Epson JX-80	Epson_JX80	Requires Custom Driver 2
Apple Image Writer II	Image_Writer II	
Juki 5510	Epson_JX-80	Requires a Color Upgrade
NEC CP2 & CP3	Epson_JX-80	
Okimate 20	Okimate_20	Requires Amiga Plug "N" Print Module

Dot Matrix Printers

<u>Printer</u>	<u>Driver</u>	<u>Comments</u>
Alphacom Alphapro	Alphacom_Alphapro_101	Requires Custom Driver 3
Apple Image Writer	Image_Writer	
Brother 1509	Epson	Requires Custom Driver 5
Citizen MSP Series	Epson	
C. Itoh 8510	Pro Driver	Req. IBM Compatible Module
CIE CI-3500	CBM_MPS1000	
Epson FX Series	Epson	Set in IBM Compatible Mode
Epson LX Series	Epson	
Epson MX Series	Epson	Set in IMB Compatible Mode
Epson RX Series	Epson	
IBM Graphics (5152)	CBM_MPS1000	Req. IBM Plug"N"Print Module
Juki 5510	Epson_JX-80	
Okidata 182 & 183	CBM_MPS1000	Does not support color 4
Okidata 192 & 193	CBM_MPS1000	
Okidata 292 & 293	CBM_MPS1000	All Features not Implement.
Panasonic 1080	Epson	
Panasonic 1091	Epson	Set in Epson Compat. Mode
Panasonic 1092	Epson	
Panasonic 1592	Epson	Set in IBM Compatible Mode
Radio Shack DMP 300	CBM_MPS1000	
Star SG Series	CBM_MPS1000	Set in IBM Compatible Mode
Star SD & SR Series	CBM_MPS1000	
Star MX Series	Epson	Req. Epson Compat. Module
Star NB Series	CBM_MPS1000	
Star NL Series	CBM_MPS1000	Req. IBM Compat. Module
	Epson	
	CBM_MPS1000	

Daisy Wheel Printers

<u>Printer</u>	<u>Driver</u>	<u>Comments</u>
Brother HR-15XL	Brother_HR-15XL	
Citizen Premier 35	Diablo_630	
Comrex CR-II	Brother_HR-15XL	
Comrex CR-III	Brother_HR-15XL	
Commodore 6400	Diablo_630	
Diablo Advantage D25	Diablo_Advantage D25	Requires Centronics Opt.
Diablo 630	Diablo_630	
Dynax	Brother_HR-15XL	
Epson DX-20	Diablo_630	
Juki 6000	Diablo_630	
Juki 6100	Diablo_630	
Juki 6300	Diablo_630	
Qume LetterPro 20	Qume_LetterPro 20	
Qume Sprint II	Diablo_630	
Panasonic KXP 3131	Diablo_630	
Panasonic KXP 3151	Diablo_630	
Tec F10	Diablo_630	

Laser-Jet Printers

<u>Printer</u>	<u>Driver</u>	<u>Comments</u>
Canon Laser	Epson	Set in FX-80 Mode
CIE Lips 10	Epson	Set in Epson Mode
	Diablo_630	Set in Diablo 630 Mode
H.P. Laser Jet	H.P._Laser Jet	
H.P. Laser Jet Plus	H.P._Laser Jet_Plus	

NOTE:

- 1 -All of the printers listed above require the appropriate printer cable.
- 2 -Redmond Cable has released an Apple Image Writer Driver which they are selling with the cable. There is a version for the Image Writer and the Image Writer II. Redmond Cable may be contacted at (206) 868-2168.
- 3 -Contact Tycom Technologies at (216) 261-7088.
- 4 -V.1.2 Workbench will included a complete Oki 292 Driver.
- 5 -\$20.95 From: Micro-Cybernetics Corp.
P.O. Box 3126
Laurel, MD 20708
- 6 -Unsupported printers may not be totally compatible.

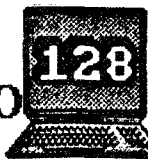
SG/SL10C Upgrade Ventura Commodore Club

If you own a Star SG-10C or SL-10C printer and haven't heard about the upgrade offer from Star Micronics, then you're missing out! Just contact Star Micronics at the number below and tell them you would like to get the upgrade chips for your printer that you just heard about. These chips, which don't cost you anything, give your printer some new capabilities: underlining - italics - superscript - subscript - double-strike letters - nlq printing - change line spacing - change margins and a few others. These capabilities can now be accessed through software instead of having to manipulate DIP switches on the side of the printer. You'll receive 2 new microchips which replace the same two chips on the circuit board. The old ones can be easily pulled out and the new ones just snap right in. They send you an instruction folder too, which tells you how to do everything. It also gives you some information on the new functions. They ask you to please send them the old chips since they are no longer of any use to you, and, they supply a return mailer with the postage prepaid. I found the changeover to be easy requiring only a couple of screwdrivers and it took just about 15 minutes to complete.

Star Micronics
3 Oldfield
Irvine, CA 92714

(714) 768-4340

C128 Numbering Info



The C-128 has lots of fine features and I discover more of them every time I open another book on this computer.

If you're working on a program and need to know one of the equivalents for a decimal number, all you have to do is SHIFT F8 to bring up the Machine Language Monitor and type the number you need to know. The number must be preceded by one of the following signs to identify the system: + Decimal, \$ Hex, & Octal, and % Binary.

For instance, type +100 and the computer prints all four like this:

```
+100 (your number)
$0064
+100
&14+
%110C100
```

It is done without disturbing the program you were working on. Just type x and RETURN. The computer goes back to BASIC and says READY. LIST will take you to the program you were working on.

WHAT'S HOT AND WHAT'S NOT

Jerry Pectol, CUG of Bartlesville, OK
Additions by Barbara Cramer, MCCC

This month I will begin writing what hopefully will be a monthly column for our newsletter. I will be rating and giving a brief capsule review of some of the newest software out. I have come up with a 100 point rating system that rates 10 characteristics on a scale of 1 to 10. The characteristics include graphics, sound, playability/usability, lasting effect, difficulty, value, reliability, customer support, documentation/packaging, and intangibles. Most of these are obvious, but let me explain a few of them. Lasting effect means "How long will you use it?" Can you master it in just one night and then it sits? Reliability refers to how much trouble it is to load. Do you have to remove or disable Fastload? Is it so heavily protected that it sometimes fails to load? Does it bang my drive head around? Intangibles are just that. I have heard people say, "I don't know why, but I'm addicted to this game." I hope you get the idea and I hope this will give you a little more information when you go to decide what new programs to purchase.

Each month I will be looking at several programs. I will list the name of the software, its publisher, its rating and some brief highlights or lowlights. I will also include the approximate price. Got it? Well, here goes.

GAMES

Killed Until Dead (Accolade) \$19.95 90
Excellent graphics and sound. This is a high tech version of Clue in some respects with over 20 cases to solve ranging from easy to expert. If you think of yourself as a modern day Sherlock Holmes, you will love this one.

Howard The Duck (Activision) \$21.95 89
Advertised as a graphic adventure, this is really a multi-level, sophisticated arcade game. The graphics and playability are excellent and even the best 'Joystick Jockeys' won't master this one overnight. A good example of "I don't know why, I just like it!"

Robot Rascals (EA) \$27.95 85
There is only one drawback to this game - you can't play it alone. With that out of the way, the graphics and sound are excellent. This is a scavenger hunt game with a few twists here and there. There are several variations of play to keep the game interesting. WARNING!! Do not play this game with your spouse - it tends to damage a relationship when you steal the last item he/she needed to win the game and then throw it in the lake. Excellent game.

Artic Fox (EA) \$24.95 74
Graphics and sound are OK, but this one is not up to Electronic Arts usual

standard. My suggestion is to buy Skyfox instead. Better price and graphics.

SPORTS GAMES

Leader Board Executive Disk #1 (Access) \$16.95 95

If you own LeaderBoard, you must get this one. It adds trees, sand traps and rough to an already incredible golf simulation. There are two new courses on the disk with these added features. The graphics are fantastic and the game play is excellent. Putting seems a little harder on this one.

3 In 1 Football (Lance Haffner) \$29.95 89

If you want graphics and joystick controls, forget it. This game is controlled purely by statistics. It comes with over 600 real team stats - college, NFL and USFL. It is an excellent game for those who enjoy strategy and statistics more than joystick action.

GFL Championship Football (Gamestar) \$21.95 85

This is a very good action football game in the arcade tradition. No more overhead views. YOU are the player/coach. You call the plays and then become either the tailback or the wide receiver. It requires at least a Masters degree in Joystickology to be 'World Class.'

Tag Team Wrestling (Data East) \$23.95 83
The best of the wrestling games so far. The graphics are not as good as Championship Wrestling by Epyx, but it takes much longer to become a World Champ. Playability is much improved. Be careful - "foreign objects" outside the ring can really be a pain.

Tenth Frame (Access) \$24.95 81
This is the second best bowling game around. (The best is on Mindscape's Indoor Sports along with 3 other games for only \$20.95.) The best feature of this game is a special level just for kids. It's a good bowling simulation, but nothing exceptional.

UTILITIES

Certificate Maker (Springboard) \$34.95 95

This program contains over 200 different forms to make professional looking certificates on your dot matrix printer. The output ranges from serious awards to humorous ones. The graphics are in the 'Newsroom' tradition. A 'must have' for printer buffs.

Certificate Library I (Springboard) \$24.95 95

Adds over 100 certificate forms to the above software.

Graphics Scrapbook I - Sports (Epyx) \$17.95 95

More graphics for Print Shop (Broderbund). These are excellent graphics of sports activities.

Graphics Scrapbook II - Off the Wall (Epyx) (17.95) 80

This collection is a bit bizarre and contains a range of graphic styles from practical to grotesque. Don't expect Broderbund artistic quality from this one.-BJC

ADVENTURES

Bard's Tale II (EA) \$27.95 94

An excellent sequel to the very popular Bard's Tale. You have six cities and a large wilderness area to explore, more monsters and faster play. A great buy if you have the time to play it. I suggest you order the cluebook, unless you are a cartographer by trade.

Autoduel (Origin) \$34.95 92

If you like the role-playing game 'Car Wars,' you will love this one. It saves wear and tear on your dice rolling hand because the computer does most of the work. The demolition mode in the 'Arena' is joystick controlled and well executed.

Shard of Spring (SSI) \$27.95 91

Good graphics and game play. It is like most SSI role playing games in that it takes a lot of time to set-up and instruction ingestion is a must, not a last resort.

SIMULATIONS

Destroyer (Epyx) \$24.95 95

The best action/simulation I have ever seen. The graphics are 10+ by anyone's standards and the game play is superb. This is not an easy one, though. It takes good strategy, patience and adequate joystick skill to complete even the easiest missions.

America's Cup (EA) \$23.95 90

An excellent simulation. My single complaint is that I wish I knew a lot more about sailing. The documentation includes a nice history and background of the America's Cup. If you have an interest in this famous piece of Americana, you will want to add this to your collection.

Super Huey II (Cosmi) 19.95 86

A good helicopter simulation by a small software company. The graphics and game play are good. If not too complicated for your tastes, it is much better than the high-priced 'Gunship' by Microprose.

Gunship (Microprose) \$23.95 72

This disk is so heavily protected you will feel like you have won the game if you can get it to load properly. As far as support, forget it.

WORDPROCESSORS

FontMaster 128 (Xetec) \$59.95 95

Continuing in the excellent tradition of its forerunners. Includes 80 columns, view mode that shows actual type style selected, 56 fonts plus a font for laying borders, over 15 text special effects, 70

format controls, 3 help screens, font editor and a conversion program to translate documents already stored on other software. You can insert graphics into text and can print in columns (requires rolling the paper back). Best word processor for dot matrix printers.-BJC

Fleet System 4 (Professional Software)

\$79.95 95

Outstanding upgrade of Fleet System Series including some new features: 12+ help screens, Fleet Filer Database, 100,000 word Spellchecker and Thesaurus, four drive capability, on-screen underline and boldface in preview mode, 160 columns in preview mode, user created printer file. Also, full support of RAM disk operations. Ultimate word processor, especially for professional applications.-BJC

The GURU Speaks...

Answers to burning questions
compiled by Rick Schulz



A cloud of incense lazily curls up toward the ceiling; in the distance a gong sounds and silence falls over all as...

The Guru Speaks

QUESTION: Guru, how do I make a disk auto-booting?

The Guru answers: Nothing could be simpler, except perhaps leaving a small donation for the guru... Now, as I was saying, to make a disk self-booting two things must be done. First, the disk must contain a file called "startup-sequence". With disks that have Workbench, this is usually in a directory called "S". Within that file, you must remove the command "ENDCLI" (usually one of the last commands), and then add, as the last command, the name of the main program on the disk. For example, this article is written using the program "SCRIBBLE!" on a disk called "SCRIBBLE!". The last command on the disk's "startup-sequence" is "SCRIBBLE!".

When this is done, call up a CLI window, place the disk in a disk drive and enter the command "INSTALL DFO:" (if the disk is in the DFO disk drive, of course). Those of you who have only one disk drive must copy the command "INSTALL" from the Workbench:C directory to RAM:C and assign sys:c to ram:c. This is done so that the system will look for the command in RAM:C rather than on the Workbench disk. Failure to observe this will cause the system to instruct you to replace the Workbench disk.

QUESTION: Guru, when using CLI, I sometimes forget the required format or parameters for a command. What should I do?

The Guru answers: Simply enter the command, followed by a space and a question mark (?). The system will be happy to display the correct format.

The Toy Shop

Review by Barbara Cramer



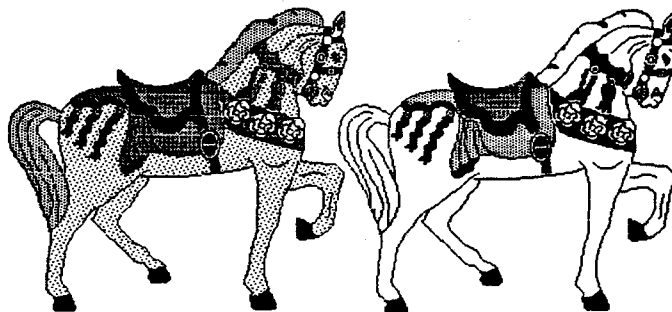
Broderbund's newest graphic offering is the greatest thing since Print Shop. Toy Shop not only produces 20 toy models for your family to enjoy printing and assembling, it produces working models. The jet dragster actually rolls and is powered by compressed air (supplied by a balloon). The gliders actually fly and fly well. The carousel rotates via a crank, etc. The program offers a wide variety of working models including some unusual examples: a table saw, an oil pump, a zeotrope, a tractor crane, a scale, a mechanical bank and a nice assortment of cars and planes, even the Spirit of St. Louis.

Broderbund has also supplied some of the supplies you will need to complete the projects: adhesive backed card stock, wire, cotton cord, rubber stripping, balloons and dowels. The 200+ page manual is the best computer documentation I have ever seen.

Toy Shop also features many customizing options to make your creations truly unique. You can change shading patterns from a palette of 38 selections or draw your own in 4 different sizes. You can add decals on some models and, again, edit or create your own. Many models also include a short text line that you can modify with 4 fonts and 4 styles of type.

The quality of this software package is outstanding although I found the edit sections sluggish and simplistic. Another nice feature is the ability to save modified models, patterns and decals. At least, you only have to suffer through the editor once for each change you want to create.

The Toy Shop price tag is a little higher than most software but the creative features and sophistication of design makes it much more unique than the models you buy at the dime store. Don't look now, but, it has educational value as well.



 Welcome to "The Toy Shop." 

BBS COMMANDS

If you are having trouble finding your way around the new BBS, try calling up the help menu under BBS Detailed Information. There you will find the descriptions of each command as defined below.

Message bases: Go to the message sections in order to read messages.

Call Sysop: Used when requesting to "chat" with the SysOp.

Edit your records: Change items such as terminal type, protocol, page size, etc.

Feedback to SysOp: Leave a private message to the SysOp.

Good-Bye: Terminate call, Exit system, End call.

Information: Change to the information bulletins such as system news, help with commands....

Caller Log: Display last 25 callers to this system.

Mail Room: Switch to the electronic mail system in order to send or read E-Mail.

Post a Message: Used when wanting to send a message that all users can read. After adding the message, you will be prompted to select the section you would like the message to be shown in.

Section Mask: Used when wanting to read/write message in ONE and only one section. This command will "mask out" all other section so you can just read/write the post in the section(s) that you enter...ex. I want to only read the message in the Commodore 64 base, I would use this command, and when asked which sections would I like, I would enter the section entitled Commodore 64. All other message would not be displayed until you changed the mask. In order to unmask all of the sections, just press \$Return\$.

Time on system: Display the time that you have sent/left on the system.

File Transfer Sections: Go to the file transfer menu for downloads.

Expert/Novice menus: Toggle the expert/novice menus. When in novice mode, the menu will be displayed before the command prompt. When in expert mode, only the command prompt will be displayed.

Your Statistics: Examine your calls/message/section access and so on.



BBS Downloads

BLITZ.ARC
2-1571 BURSTCOP

BOING.C64

ROBBERS
WINDOWS

SOLAR

KINGTUT.64
SOLAR80

CHOPINFI.ARC

YOUMIGHT.ARC

ARC21.ARC

REVERSI.ARC

128 LIBRARY

LIBRARY 5.2

LIB5.2.DOCS
COSMO2.ARC

PEACHERINE

LIBRARY V9.0
MULTITERM128

MULTI128 3.6-ML

BBS.DOCS-1.2
CUBEROTE.ARC

DISKCAT.ARC
FUGUE1
EASY WINNERS
FUGUE2
FUGUE3

KILLER JOE
RISING SUN

STARWARS

COMM133.ARC
BOULDER DASH

A File Reader for Amiga
Quick copy program for two 1571 drives
Bouncing ball similar to Amiga demo
Game
Window program for 128 and 80 col monitor
Info about sizes & distances of planets
DPaint of King Tut
Sizes & distances of planets 80 charc.
Excellent Piano piece by Chopin for DMCS
"You Might Think" by The Cars for DMCS
New version of ARC for the Amiga
Checkerboard game with Voice for Amiga
Library prgm to crunch/decrunch
Combines or uncombines C=64 files
Docs for library 5.2
AMIGA-ASTEROIDS TYPE GAME FOR AMIGIDS!!
Scott Joplin Ragtime for Deluxe Music
Library pgm for 64
Term for 128, 40 or 80 col, punt, xmod
ML file for multiterm128 v3.6
New Version of BBS.DOCS
Mouse controlled rotating cube w/source
Catalog Util. for Amiga
Mozart fugue for DMCS
Scott Joplin Rag/DMCS
Bach Prelude & Fugue/DMCS
Bach Organ Prelude & Fugue/DMCS
Jazz piece for DMCS
House of the Rising Sun for DMCS
Jazzed up Star Wars themes for DMCS
Amiga-new term. program
Intresting C-64 game, public domain

1571 Advantage

Keith Casey, Cougar Courier



If you own a 1571 disk drive and do not also own the C-128 computer you may think it has no advantage over the 1541. I would like to give you a few hints on how to get more out of you 1571. Listed here are some control codes that allow you to use the double sided mode of operation.

If you use a DOS wedge or one of the many fast load utilities, these control codes are very easy to send. Just proceed the control code with either the "at" or "greater than" symbols depending on your

DOS. Most word processors have a disk command section that will allow you to send these codes as well.

If you have no DOS wedge you will have to open a control channel to the drive followed by the control code in quotes. Then the channel must be closed. Example:

OPEN 1, 8, 15, "control code": CLOSE 1

The control codes and their result are as follows:

CONTROL CODE	OPERATION
UO/M1	Double sided, 1328 blocks
UO/M0	Single sided, 664 blocks
UO/H0	Single sided, top side
UO/H1	Single sided, bottom side

The bottom side single is not a 'flipple' so don't flip it over or punch a new notch. It is formatted and accessed by the second drive head and each side of the disk is treated as a complete single sided disk.

Try this for the fun of it:

```
PUT A BLANK DISK IN YOUR 1571:
OPEN 1, 8, 15, "UO/M1"
PRINT#1, "NO:diskname,id"
CLOSE 1
LOAD "$", 8
LIST
```

You should have 1328 blocks free!

Tricks of the Trade

G.C.C. Newsletter, Toledo, OH

All of us know you can't input data in the direct mode,...right? It is doubly impossible to read data from a sequential disk file,...right? WRONG! Dean Gaudet from Bramalea, Ontario, Canada recently had a one liner published in Transactor magazine which does just that and more.

To read a sequential file in the direct mode, enter the following line:

```
OPEN1,8,2,"filename":FORI=OT01:
SYS43906#1,a$:I=ST:?A$::WAIT653,1,1:
NEXT:CLOSE1
```

(Filename is to be replaced with the name of your file.)

As usual, you can slow the input by pressing the CONTROL key. In addition, the WAIT statement allows you to pause by pressing the SHIFT or SHIFT LOCK keys.

How does it work? The SYS jumps directly into the GET# routine in the BASIC ROM after the portion of machine code which checks to see if the computer is in the direct mode. (Normal entry is 43899 or \$AE7B.)

CHAPTER NEWS

Ft. Worth News

We want to say thanks to David Huebner for giving a refresher review on our library disk #841. This is a TPUG disk and has some very useful programs on it. Every month we will be reviewing disks in the library in the hopes you will be reminded of many of the little goodies you might have forgotten or just did not know were there.

Our main program last meeting was on Fleet System 3 Word processor given by Richard Meyer. He uses this program a lot and he showed us many little tricks that this program can do. Richard, thank you very much. Our V.P., Bob Krause has been playing again. He came up with a valentine DEMO that was excellent. Bob, thank you and we look forward to more DEMO's.

Next month you will not want to miss our meeting. Art Wright will be demonstrating POWERHOUSE. This is a program on how to protect your home using your computer.

NEXT MEETING WILL BE MARCH 14th at GDRA at 1:30. SEE YA'LL THERE-Jill Campbell

Arlington News

At our our last meeting, Clem Countess gave a short presentation on the program TAX SURVIVAL KIT. Don Bennett reviewed FONT MASTER 128. Our next meeting will be held March 14 at the Arlington Community Center, in the Music Room from 9 to 11 A.M. Okley Moss will present a program about the BBS.-Janet Hamm

Amiga News

Your executive officers are proud to welcome a new member to their ranks. Kerry Batts has agreed to assume the newly created position of Membership Officer. He will be responsible for maintaining our chapter membership rolls, following up on lost members, conducting surveys of the existing membership and making sure that new owners of Amigas know that we exist. In the near future, Kerry will be taking a survey of the members to determine what subjects you would like covered in our monthly presentations. We ask your co-operation.

The February meeting featured a outstanding presentation of Audio-Visual Techniques for the Amiga by Larry Groebe. Larry is a programmer for StarText telecommunications system, and is well known as an excellent speaker. The

presentation covered some of the fascinating and powerful aspects of DPaint 2. This was one of the best presentations I have seen and the absent members really missed out!

As announced previously, Dave Campbell will give a class on "C", consisting of 4 sessions, covering the fundamentals of the "C" language. A basic understanding of programming concepts and techniques is required. This is not an introduction to programming (generic)! The dates for the classes are March 9, 16, 25 and 30. If you plan to attend and did not sign up at the February meeting, please contact Dave Campbell to register. The class will cost \$10 and is open to all members of the MCCC. If you did not register at the February meeting and wish to attend the class, please attend, with \$10 in hand. Bill Raecke, our treasurer, will also be attending the class, and will collect the fee at the first class.

In March there will be a presentation on the newest utility software - ARC, DirUtil and CLE. Versions of these programs have been available to our members via the disk of the month, but many do not know how to use them correctly. The presentation will cover the main functions and techniques.

If all goes as planned, there will be demonstration of printers at our meeting in April. Don't miss the meetings!-Rick Schulz

H. E. B. News

The program at the HEB Chapter meeting included presentations by Bruce Umbriet and Okley Moss. Bruce Umbriet presented facts about various printers and interfaces. One of his recommendations was that one NOT purchase a "Commodore ready printer". Okley Moss demonstrated Swiftax. He certainly made preparation of Federal Income Tax Forms look simple. Thanks Okley and Bruce for an interesting and informative dialog.

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Leroy's Cheatsheets by Thomas Merrill Pasadena C.C.C.

Leroy's Cheatsheets are very well arranged and thought out. The information for the system on the device you're using is direct, concise, and written with the beginner in mind. You can find out how to format a disk by reading the cbm manuals for the C-64 and disk drives. However, you will have to study the manuals a half hour. There's no cross referencing with Leroy's Cheatsheets and three or four paragraphs to check out. If you want to display or load a directory, it's there in front of you (right under your nose in fact) with no guesswork, or useless examples. Just follow the cheatsheet keystrokes, and you will get the directory display on printout the first time. Comparatively, the price is very low, and the quality very high. They are tough, durable (you won't need a new one every six months), weather-resistant and plastic-coated, front and back. The basic price is \$3.95, plus \$1.00 for postage and handling, and your 22 cent stamped envelope in which you send the order. A total of \$5.17 each, which compares very well with the next competition's \$14.95, which I don't believe features Commodore equipment. There are two ways to use the cheatsheets. The first is to use them as keyboard overlays. This has advantages and disadvantages. First, you have to cut the central area with a sharp knife, which is easy if you are patient and take your time. (12 to 15 minutes at the most) You need a good solid surface, like a kitchen board for cutting up vegetables as the knife must penetrate the cheatsheet. The second way is not to make a cutout key overlay, but to purchase and use a Computermate smoky-gray dustcover on your computer. When attached to the computer, the Computermate dust cover folds up in just the right angle to place your Cheatsheet. This works very well as you can place two or three different cheatsheets neatly in the laid-back Computermate dustcover and swap them as needed. Cheatsheets for the C-128 are \$7.95 plus \$1.00 for postage and handling. This price includes a \$2.95 keyboard extender (something I know nothing about) There are 15 different cheatsheets for the C-128. For the C-64, there are 46 different cheatsheets. I would advise anyone who wants to purchase them at a local store always to call first, the most popular ones are not always in stock but are "on order." Available from Cheatsheet Products, Inc., P.O. Box 111368, Pittsburgh, PA 15238. DETACHABLE KEYBOARD FOR '64



Money Machine Starter Kit

Money Machine Magazine Nov/Dec 1986



by Don Vandeventer

Somewhere in your home is a fantastic money making machine. It may be in your living room in a place of honor, or it may be in your den or office. What is the MONEY MACHINE? It's your computer.

Now, it doesn't matter if you're using the Commodore 64, the PC-128 or the Amiga! It's still a fantastic machine that can change your life by helping you make HOME-MADE-MONEY.

Consider these statistics:

* There are more than 12 million home businesses in the U.S.

* These home businesses started by individuals like you and me, generated over 55 billion dollars in retail sales revenue last year.

* Of these, OVER 2,000,000 are using a computer as an integral part of their business; many are providing services directly related to the use of their computer.

What kinds of businesses can be operated at home using your computer? We don't have enough room here to list more than a few. But hang on to your hat because the list will surprise you.

LIST OF BUSINESS IDEAS

Apartment Finders, Babysitting Referral, Bartering Service, Billing and Invoicing, Bookkeeping Services, Business Newsletters, Church Newsletters, Club Newsletters, Computer Instruction, Computer Newsletters, Computer Repair, Custom Programming, Direct Mail Service, Electronic Garage Sales, Fundraising, Gift Buying Referral Service, Hunting and Fishing Information Exchange, Inventory Records, Job Placement Service, Lost Pet Service, Mailing Lists, Menu Planning, Message Centers, Money Management, Novelties and Gift Service, Nutrition Counseling, Party Planning, Remailing Service, Resume Service, Retirement Counseling, Secretarial Services, Shoppers Guide, Software Finders Service, Software Reviews, Sport Statistics, Tax Records, Travel Planning, Tutoring, Word Processing, Writing Books, Writing Business Letters....

Now the question is: How to get started?

First, decide if you really want to go into business and if you're the type to own your own business. Here's a list of things you need to consider:

1. Talk your business idea over with everyone that it will affect. This includes not only your family, but also your neighbors. You don't want to hear objections after it's too late.

2. Decide why you want to go into business. Is it for extra income, for full-time income, or something to do with

your time?

3. Can you devote enough time to your business to make it succeed?

4. Do you want a business with a lot of contact or very little contact with the public?

5. How much can you afford to invest in the business? How much can you afford to lose? Not every business is a success. I recommend that you do not invest what you cannot afford to lose.

6. Do you already have the equipment you need to start?

7. Do you need special training before you start? If so, is it available locally?

8. Whose business is it? Are you considering a proprietorship, a partnership, or a corporation? Who's to work the business? Just you, you and a friend, or another member of your family? Can you work together and get along? What happens to the business if you can't get along?

9. How much money does your business need to make? If you need to make \$1500 a month profit, do not pick a business that can only make \$1500 a month profit, or when the costs go up the business will not support you.

10. Do you have local consultants or organizations such as the Chamber of Commerce or SCORE to guide you in areas you're unsure of? Are you willing to go to them for help?

After deciding that you do want to go into business for yourself, then you need to write out a business plan. This can mean the difference between success and failure. Use the following guide to help in writing your plan.

PLANNING FOR SUCCESS

1. Business definition: Describe the type of business you want. Will it provide a service or a product? Include why you feel it will succeed.

2. Evaluate the market. Are you trying to reach computer owners, small businesses, home owners, renters, farmers? Is the market big enough? It's hard to reach farmers from the middle of Phoenix.

3. Competition: Is there a cheaper way for the customer to get the same service or product?

4. Advertising: Will you advertise on radio, TV, newspapers, or will you have to rely on word-of-mouth advertising?

5. Pricing: If your business is a service, are you going to charge by the job or by the hour? If you're selling products, how much will it cost to produce the product? Can you have a constant supply of material? Pricing is one of the most difficult areas for any

business. You will have to figure the break-even point and a fair profit, but not overcharge the customers. You may need to consult an expert when it comes to pricing.

6. Billing: This is always a difficult area. In some cases billing a customer can mean more business. It can also create problems when you try to collect. I have a very simple rule of thumb: DO NOT bill for what you cannot afford to lose.

7. Zoning: Will your business need to comply with local codes? Will you need a license or special insurance?

8. Bookkeeping: Do you intend to take care of your own bookkeeping or will you need to go to an expert to set up your books?

9. Location: Will your customers come to you or will you need to go to your customers?

10. Growth: Can your present community sustain any desires you may have for future growth?

Is that all there is to starting a business at home?

NO!! It takes hard work, but if you plan your work and then work your plan, you have a very good chance at being successful. The rewards are great. For example, you can enjoy the extra income your own business can bring in, the entire family can become involved (which gives them time together), and my favorite benefits are no time clock to punch and NO boss to listen to.

Dots Perfect

Frank Clark

Dots-Perfect is an upgrade for Epson FX/JX/RX/MX printers that can give your printer the print styles and quality available on newer model printers.

The Dots-Perfect kit consist of three ICs (Chips), a User/Installation manual and a Menu Decal that can be attached to your printer.

Installation of the kit takes 10-20 minutes. It requires two screwdrivers and a pair of wire clippers (some models) to install. To install the kit you must replace three of the ICs in the printer. To get to the ICs you must remove the top half of the Epson case, and in some cases an auxilliary board. Some models also require that you cut a jumper wire on the circuit board.

While all of this may sound difficult, it really isn't. The manual is quite clear, and it contains pictures that cover virtually every step of the installation.

With the Dots-Perfect kit an Epson printer will have the following capabilities:

Apple Imagewriter emulation
IBM Graphics Characters
Near Letter Quality (NLQ)
Proportional Spacing

Nobody Beats

Babbage's

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Double Wide
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Clear Buffer
8 1/2 Inch Wide Paper
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Elite
Emphasized
Double Strike
Italics
Underline
Fine Print
Quiet Mode
Slash Zero



I purchased Dots-Perfect because my FX80+ did not have a NLQ mode. The Dots-Perfect NLQ mode is alone is worth the price of the kit.

I also found the Clear Buffer feature very handy for stopping a print when the software I am using does not have a cancel function. The Clear Buffer feature continues receiving data without printing it. A double beep tells you when the data has stopped.

Dots-Perfect is \$79.95, which is a lot less than a new printer. It is available from Dresselhaus Computer Products, 837 East Alosta Avenue, Glendora CA 91740.

The Tax Survival Kit

Dave Coon, Cougar Courier

Here, in my humble opinion, is the easiest to use tax program on the market for the C64 or the 128. If you have use H & R something to do your taxes in the past, look into this. It is so easy to use, just follow the lines. These lines are the same as you find on the actual tax form & in proper order. There are so many "slick" features in the program, you will be amazed.

The program was written by Harv Harris of Wichita, Kansas and he is to be commended for an outstanding job. The up arrow key and the back arrow key (not to be confused with the cursor keys) move through nine lines as displayed on the monitor (very nice). The F1 key displays the menu of options that are complete.

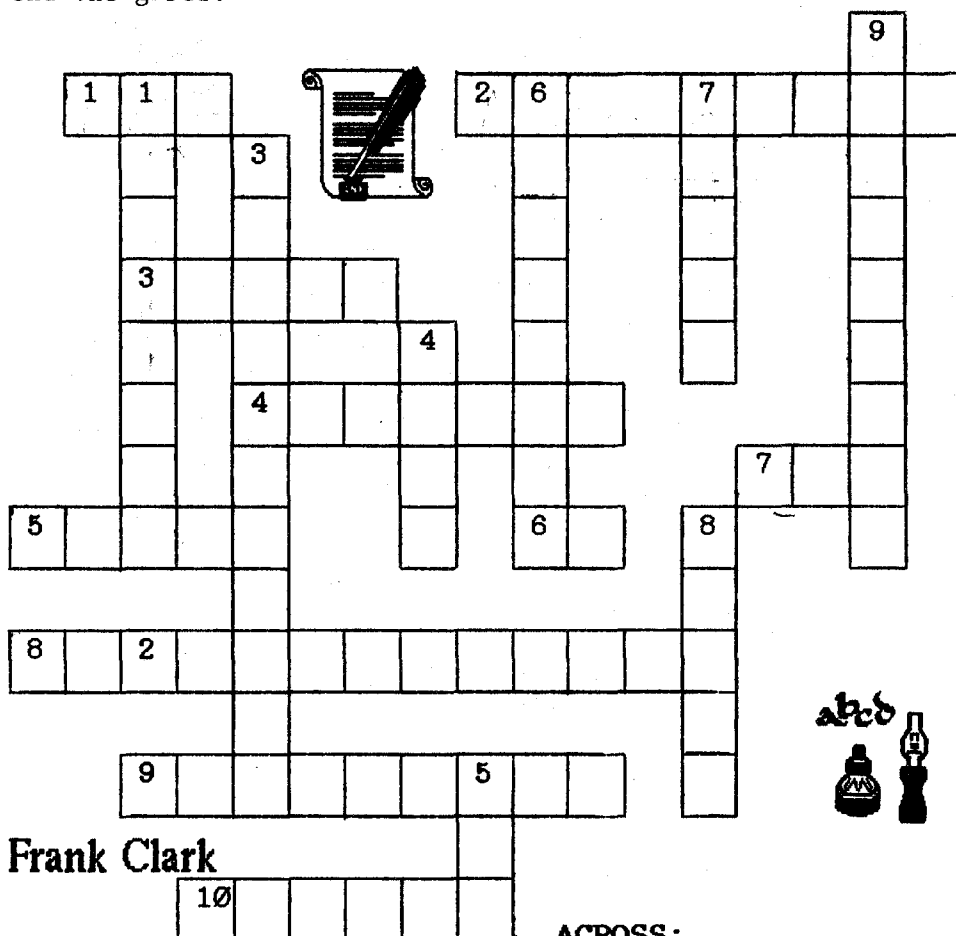
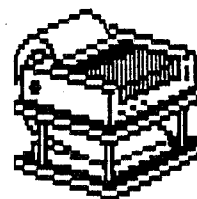
These include the 1040 (front and back) and schedules A through G. Also SE, W and several other forms as required by the IRS.

There are options to SAVE, LOAD, PRINT and others. PRINT gives the user the option of a file copy or a print directly to the tax form itself. There is a test "*" mark placed to be sure the dollar amounts line up properly. The "U" key is also neat. At any time this key is depressed, it show the taxes due on the bottom of the screen so changes can be compared throughout entries. With the tax form next to you as a guide, the agony of filing your is almost fun with the Tax Survival Kit. I compared this program with a rather expensive Commercial program, and this wins hands down.

Plenty of time to file your tax return, so get the Tax Survival Kit and end the grief.



Word Pro 64



Frank Clark

DOWN:

1. PICTURES AND DRAWINGS
2. A PROGRAMMING LANGUAGE
3. BASE 16
4. HARD STORAGE
5. TERMINAL
6. A PROGRAM
7. A INPUT DEVICE
8. USED TO RENDER TEXT
9. MEASUREMENT OF SPEED

ACROSS:

1. TYPE OF MONITOR
2. NEAREST THING TO MACHINE LANGUAGE
3. SMALLEST GRAPHIC ELEMENT
4. NOT ANALOG
5. MOST WIDELY KNOWN PROGRAMMING LANGUAGE
6. PRODUCER OF POPULAR SOFTWARE
7. SMALLEST DATA ELEMENT
8. USUALLY INCLUDED WITH GOOD SOFTWARE
9. SOFT STORAGE
10. NUMBERING SYSTEM USED IN COMPUTERS

Club Information

The Mid-Cities Commodore Club is a non-profit organization devoted to the collection and dissemination of computer knowledge, to the encouragement of computer education and to the use of Commodore computers in the home, school and business. Appropriate and legal use of all types of software is encouraged by the club.

The MCCC is not connected with Commodore Business Machines Ltd. or Commodore Inc. Commodore and Commodore product names (PET, CBM, VIC, C64, C128, Commodore/Amiga) are registered trademarks of Commodore Inc.

Our meetings are open to all. Yearly membership dues are \$20.00 and entitle the member to a monthly mailed copy of the MCCC NEWS, library copying privileges, attendance at any or all club and chapter meetings as well as participation in club-sponsored classes. Dues are paid on a calendar year basis and new members who join after March 31 of each year pay pro-rated dues for the months remaining.

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The deadline for submissions to the MCCC NEWS is the third Saturday of each month. PAYMENT MUST ACCOMPANY CAMERA-READY AD COPY. Make all checks payable to Mid-Cities Commodore Club and mail to MCCC NEWS, P.O. Box 1578, Bedford, TX 76021.

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MEETINGS

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7 BOARD MEETING 10:00 AM
8	9	10	11	12 AMIGA 7:00 PM	13	14 ARLNGTN FT/WRTH GRAND PRAIRIE
15	16 FT/WRTH NIGHT 7:00 PM	17 GRAND PRAIRIE 6:30 PM	18	19	20	21 H.E.B. 1:30 PM
22	23	24	25	26	27	28
29	30	31				



MARCH 21ST IS THE FIRST DAY OF SPRING!

ANSWERS TO CROSSWORD PUZZLE:

ACROSS: 1. RGB 2. ASSEMBLER 3. PIXEL 4. DIGITAL 5. BASIC 6. SOFTWARE 7. MOUSE 8. FONTS 9. MEGAHERTZ
DOWN: 1. GRAPHICS 2. C 3. HEXIDECIMAL 4. DISK 5. TTY 6. FA (ELECTRONIC ARTS) 7. BIT 8. DOCUMENTATION 9. KILOBYTES 10. BINARY

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Meetings

- Mar. 7 **Board Meeting** 10:00 am
Western Hills Inn
- Mar. 14 **Arlington Chapter** 9:00 am
Arlington Community Center
- Ft. Worth Chapter** 1:30 pm
Gen. Dyn. Rec. Area, Room 2
- Grand Prairie Chapter** 1:30 pm
Grand Prairie Public Library
- Mar. 16 **Ft. Worth Night Chapter** 7:00 pm
St. Elisabeth Epis. Church
- Mar. 19 **Amiga Chapter** 7:00 pm
Arlington Community Center
- Mar. 21 **H. E. B. Chapter** 1:30 pm
Hurst Recreation Center
- Mar. 24 (Not confirmed)
Grand Prairie Chapter 6:30 pm
Grand Prairie Public Library
- Apr. 4 **Board Meeting** 10:00 am
Western Hills Inn, Euless
- Apr. 11 **Arlington Chapter** 9:00 am
Arlington Community Center
- Ft. Worth Chapter** 1:30 pm
Gen. Dyn. Rec. Area, Room 2
- Grand Prairie Chapter** 1:30 pm
Grand Prairie Public Library